

PRATIKKUMAR N. CHUNAWALA

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Education

Polytechnic Institute of New York University, Brooklyn, New York,
Master of Science in Electrical Engineering, GPA: 3.283

May 2014

Guru Gobind Singh Indraprastha University, New Delhi, India,

Bachelor of Technology in Electronics & Communications Engineering, First Class division, U.S. Equiv. Grade "A".

June 2011

Work Experience

Project Manager, Center for Urban Science & Progress (CUSP), New York University

Dec.2012-Apr.2013

- Assisted the Director of Admissions and Enrollment Services in the development of the CUSP by planning and managing events.
- Served NYU & NYU-POLY cohesively being the first graduate student employee at CUSP.
- Responsible for interviewing & shortlisting graduate assistants for various wings of CUSP and maintained workflow among them.

Intern, Perfect Machine Tools Machines Ltd., Pune, India.

Apr.2012-Jul.2012

- Acquired knowledge of machining processes, working and assembly of automats, CNC Turning and Grinding machines.
- Studied high Frequency Spindles, an indigenous R&D in India by PMTML.
- Observed the organizational structure: EDP, Costing, Purchase and HR Departments.

Research Assistant, Department of Science & Technology, Govt. of India, New Delhi, India

June 2011-Mar. 2012

- Appraised team member of National Pilot Project of 3rd. Gen. Software Defined Radios (SDR).
- Installed and configured software of HF+VHF SDRs for Indian Security Forces.
- Installed Wideband Surveillance Receiver for Indian Security Forces

Intern, Defense Research & Development Organization, Ministry of Defense, Govt. of India

June 2010-Jul. 2010

- Submitted project/study work, "Theoretical study of Routers Architecture & Design" at Institute for System Study & Analysis, Defense Research and Development Organization (DRDO), Defense Ministry, Govt. of India.

Intern, Department of Science & Technology, Govt. of India, New Delhi, India

June, July, Oct. 2010

- Studied and tested SDRs and Wideband Surveillance Receiver.

Project(s)

Measurement and Analysis of campus networks, NYU-POLY, New York, USA

Spring 2013

- Analyzed the NYU-POLY network to study the user behavior around the campus and the dormitories.
- Used Wireshark to capture approximately 9000,000 packets and 53 protocols.

Aircraft Band VHF Receiver, Guru Gobind Singh Indraprastha University & DST, New Delhi, India

Aug. 2010- Mar. 2011

- Designed and assembled an indigenous modified VHF Receiver, operational range of 120MHz – 140MHz, on glass epoxy board with std. ICs, MC1316 for dual IF conversion and amplifiers & MC3361B, Low Power Narrowband FM IF.
- Used a slim JIM J- pole antenna to receive VHF signals of voice communication between aircraft and ATC in 20mi. range.
- Implemented the PLL section by a PLL IC & a dual modulus prescaler IC: MC145152 and MC12017 respectively.
- Implemented the post IF section i.e. IF amplification, AM detection, audio amplification by IC SONY CXA1619M/S.
- Increased cost efficiency by 10x of the developed product, relative to the alternate receivers in market.

Skills & Co-Curricular Activities

- **Programming Languages:** C/C++, MATLAB.
- **MS Office:** Word, PowerPoint, Excel.
- Bronze medalist in Long Jump at intra school level.
- Soccer player at Regional Level.
- Chess at country Level.
- Coordinator in College Annual Festival, Techsurge'09.

Languages Spoken: Créole, Hindi, Marathi, Gujarati.